

**Fort Bliss Vision:  
Army's Center for Renewable  
Energy by 2015**

**Fully Integrated Approach  
that will demonstrate  
Army / National  
Leadership in Energy**

**ENERGY SECURITY**

**SURVIVABILITY**

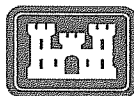
**SUPPLY**

**SURETY**

**SUSTAINABILITY**

**SUFFICIENCY**

**FORGING PARTNERSHIPS:  
RDT&E Capabilities  
Attracting Industry  
Workforce Development  
Governance Support**



## FORT BLISS ENERGY STRATEGY

**ENERGY CONSERVATION**



**RENEWABLE  
10 YEAR TARGET**



**Energy  
Independence**

**Security**

**Mission**

**Status Quo Is Not An Option!**

**Energy conservation and  
management efforts alone  
cannot achieve directed goals**

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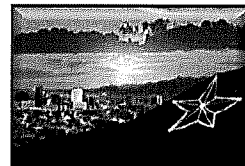
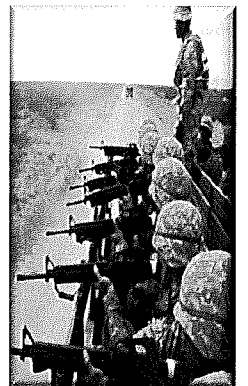
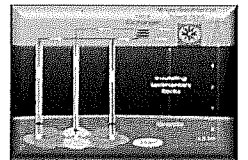
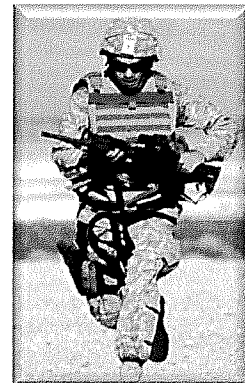
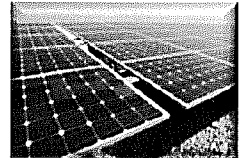
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## CENTER FOR RENEWABLE ENERGY



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## WHY FORT BLISS

### Fort Bliss Renewables: *Unique Opportunities*

Geothermal

Solar  
Thermal

Solar PV

Biomass

Solar Day  
Lighting

Wind

330+ Days of  
Sunshine!

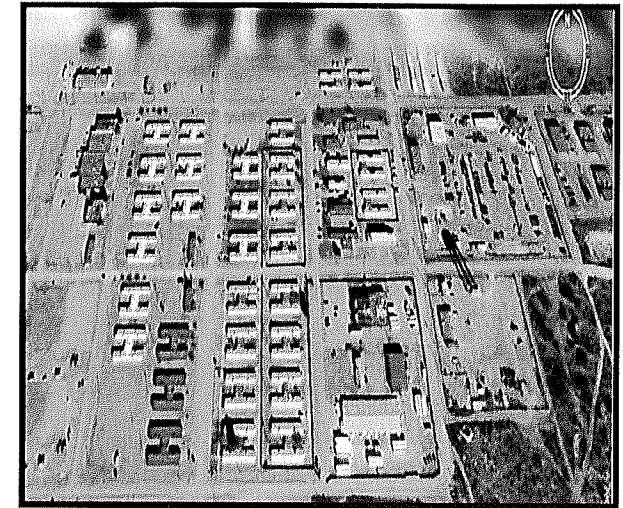
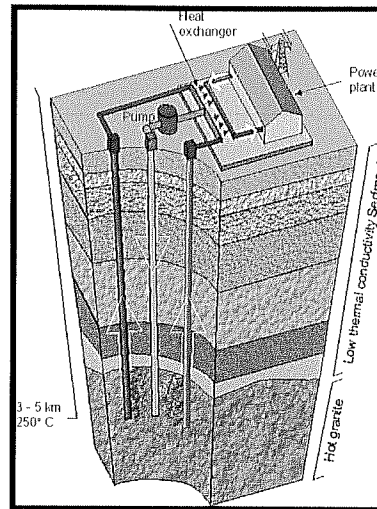
- Confirmed potential by 3 independent studies
- Largest DoD Growth
  - \$4.8B in Construction
  - 300% Population Increase
- Home of BCT Modernization
- Premier Joint Mobilization Station
- Power Projection Platform
- Joint/Interagency Training Capability
- Superb Community Support/Partnership Potential

*"Fort Bliss is ideally situated to generate renewable energy to meet mandated goals and will play a significant role in contributing to Army-wide performance."*

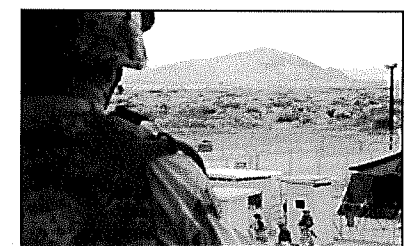
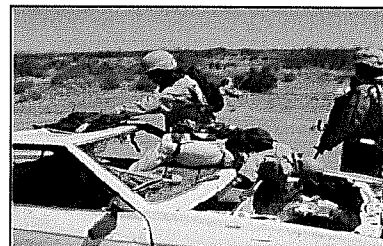
- Tiger Team Assessment (Final Report)

## EXAMPLE: GEOTHERMAL APPLICATION

### McGregor Range Base Camp



### Training Mission Continues



- The best evaluated in the Army renewable assessment
- 1996 test wells found 170° - 190°F water
- No negative environmental impact
- Takes the base camps and other training camps off the grid
- Cost effective – once implemented, price is fixed
- Great potential for PPP venture